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Agenda item 6
Election to fill a vacancy on the Legal and Technical Commission in accordance with article 163, paragraph 7, of the United Nations Convention on the Law of the Sea

Election to fill a vacancy on the Legal and Technical Commission in accordance with article 163, paragraph 7, of the United Nations Convention on the Law of the Sea

Note by the Secretary-General

1. The Council of the International Seabed Authority is invited to note that Jun Wu (China), member of the Legal and Technical Commission, resigned on 1 June 2018. She had been elected a member of the Commission on 22 July 2016 for a term of five years beginning on 1 January 2017 (see ISBA/22/C/29).

2. In accordance with article 163, paragraph 7, of the United Nations Convention on the Law of the Sea and rule 80, paragraph 3, of the rules of procedure of the Council, in the event of the death, incapacity or resignation of a member of the Commission prior to the expiration of his or her term of office, the Council shall elect for the remainder of the term a member from the same geographical region or area of interest.

3. Article 163, paragraph 3, of the Convention and rule 81 of the rules of procedure of the Council provide that members of the Commission shall have appropriate qualifications in the area of competence of the Commission and that States parties shall nominate candidates of the highest standards of competence and integrity with qualifications in the relevant fields so as to ensure the effective exercise of the functions of the Commission.

4. By a note verbale dated 5 June 2018, the Permanent Mission of China to the International Seabed Authority informed the secretariat of the Authority of the nomination of Shengxiong Yang, Chief Geoscientist and Research Professor at the Guangzhou Marine Geological Survey, China Geological Survey, as a candidate to fill the vacant seat on the Commission. The curriculum vitae of Mr. Yang is contained in the annex to the present note.*

* The annex is being circulated in the language of submission only.

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Annex

Curriculum vitae*

Shengxiong Yang (China)

Present occupation

Chief Geoscientist and Research Professor, Guangzhou Marine Geological Survey, China Geological Survey (CGS), August 2005–present

Director, Key Laboratory of Marine Mineral Resources, Ministry of Nature Resources, P.R. China, December 2012–present

Education

BA, Marine Geology and Geophysics, Shandong College of Oceanology (now named Ocean University of China), Qindao, China, July 1985

MSc, Marine Geology, Ocean University of Qingdao (now named Ocean University of China), Qingdao, China, June 1988

PhD, Marine Sedimentology, China University of Geosciences (Beijing), Bejing, China, June 2004

General scientific interests

- Marine geology and geophysics
- Deep sea mineral resources R&D
- Investigation of marine gas hydrates
- Marine sedimentology, especially on the paleoclimate, paleoceanology

Professional experience

2005–present	Chief Geoscientist and research professor, Guangzhou Marine Geological Survey (GMGS), China Geological Survey (COS)
2001–2005	Deputy Chief Geoscientist and research professor, Guangzhou Marine Geological Survey (GMGS), China Geological Survey (CGS)
2000	Chief Geoscientist and senior marine geologist, Second Marine Geological Investigation Brigade, GMGS
1994–1999	Senior Marine Geologist, Second Marine Geological Investigation Brigade, GMGS
1988–1994	Marine Geologist, Second Marine Geological Investigation Brigade, GMGS

Research experience

2012–2016	Expert panels member of the subject "Marine Oil and Gas Resources Development Technology" of National High-Tec R&D Programme (863 Programme)

* Curricula vitae are issued without formal editing.

2009–2013	Chief Scientist of the project "Research on the Enrichment Characteristics and Production Knowledge Base of Gas Hydrate in South China Sea" supported by National Basic Research Programme (973 Programme)
2007–2011	Chief Scientist of the project "Deep Sea Mineral Resources Estimation Research on the Co-rich Crusts and Polymetallic Nodules etc."
2001–2005	Chief Scientist of the project "Deep Sea Mineral Resources Investigation and Estimation Research"
2007–2010	Expert Committees member of the priority "Sea Technology" of National High-Tec R&D Programme (863 Programme)
2001–2004	Expert panels member of the subject "Marine Resources Development Technology" of National High-Tec R&D Programme (863 Programme)
2003–2004	Visiting Scholar in Technical University of Berlin, Berlin, Germany, Research on Deep Sea Mineral Resources supported by BMBF, Germany
1993	Visiting Scholar in IFREMER and École nationale supérieure des mines de Paris, France, Research on Deep Sea Multimetallic Nodules Resources Estimation supported by the French Ministry of Foreign Affairs

Onboard investigation experience

2016	Chief Scientist, Leg.1 of GMGS 2016 gas hydrate drilling expedition by M/V Voyager in Xisha, South China Sea
2015	Chief Scientist, Leg.1 of GMGS 2015 gas hydrate drilling expedition by M/V Voyager in Dongsha, South China Sea
2013	Chief Scientist, Leg.1 of GMGS 2013 gas hydrate drilling expedition by M/V Rem Etive in Dongsha, South China Sea
2012	Chief Scientist. Deep Sea Mineral Resources Expedition. Leg.1 of cruise DY27 by R/V Haiyang Liuhao on Pacific
2011	Chief Scientist, Deep Sea Mineral Resources Expedition, Leg.1 of cruise DY23 by R/V Haiya g Liuhao on Pacific
2007	Chief Scientist, Leg.2 of GMGS 2007 gas hydrate drilling expedition by M/V Bavenit in Shenhu Area, South China Sea
2004	Chief Scientist Deep Sea Mineral Resources Expedition, Leg.2 of Cruise DY105-16 by R/V Dayang Yi Hao on Pacific
2003	Chief Scientist, Deep Sea Mineral Resources Expedition, Cruise DY105-13 by R/V Haiyang Si Hao on Pacific

Recent publication and lecture

(1) Shengxiong Yang, *Gas Hydrates R&D in South China Sea — Efforts and Future Plan*, 2018, Natural Gas Hydrate Systems, Gordon Research Conference, Galveston, Texas.

(2) Yang Shengxiong, Liang Jinqiang, Lu Jingan, et al, *Petrophysical Evaluation of Gas Hydrate in Shenhu Area, China*. 2017, The 23rd Formation Evaluation Symposium of Japan.

(3) Yang Shengxiong, Liang Jinqiang, Liu Chanling, Sha Zhibin, *Progress on the Program of Marine Gas Hydrate Investigation, China Geological Survey*, 2017, 4(2): 1–8. In Chinese with English abstract.

(4) Yang Shengxiong, Liang Jinqiang, Lei Yong, Gong Yuehua, Xu Huaning, Wang Hongbin, Lu Jingan, Melanie Holland, Peter Schultheiss, Wei Jiangong, and the GMGS4 Science Team, 2017, *GMGS4 Gas Hydrate Drilling Expedition in the South China Sea*, Fire in the Ice, 17(1): 7–11.

(5) Yang Shengxiong, Liang Jinqiang, Lu Jinan et al, New Understanding on Characteristics and Controlling Factors of Gas Hydrate Reservoir in Shenhu Area on Southern Slope of South China Sea, Earth Science Frontiers, 2017, 24: 1–24. In Chinese with English abstract.

(6) Yang Shengxiong, Long Xiao-Jun, Qi Qi, et al, *The Mineralogical and Geochemical characteristics of Co-rich crusts from the western Pacific — taking the Co-rich crusts from Magellan and Marcus-wake seamounts as an example, Periodical of Ocean University of China*, 2016, 2: 105–116. In Chinese with English abstract.

(7) Shengxiong YANG, Guangxue ZHANG. Ming ZHANG. Jinqiang LIANG. Jingan LU, Melanie HOLLAND, Peter SCHULTHEISS, *A COMPLEX GAS HYDRATE SYSTEM IN THE DONGSHA AREA, SOUTH CHINA SEA: RESULTS FROM DRILLING EXPEDITION GMGS2, 2014*, Proceedings of the 8th International Conference on Gas Hydrates (ICGHB-2014), Beijing, China.

(8) YANG Shengxiong, WANG Hongbin, ZHANG Guangxue, HE Gaowen, *New Achievement of Methane Hydrate R&D in South China Sea*, 2014, ISOPE-2014 BUSAN, KOREA.

(9) YANG Shengxiong, ZHANG Haiqi, ZHANG Guangxue, ZHANG Ming, WANG Hongbin, XU Huaning, *Occurrence and Enrichment Characteristics of Gas Hydrate in the Northern South China Sea*, 2010 Western Pacific Geophysics Meeting, 2010, Taipei.

(10) Yang Shengxiong, Wang Hongbin, Xu Huaning, Zhang Baojin, *Seismic Reflection of the Nature Gas Hydrate in the Northern South China Sea*, Workshop on Geophysical Investigation by National Basic Research Program of China (973 program), 2009, Beijing. In Chinese.

(11) Shengxiong YANG, Haiqi ZHANG, Nengyou WU et al, *High Concentration Hydrate in Disseminated Forms Obtained in Shenhu Area, Northern South China Sea*, ICGH 2008, 2008, Beijing.

(12) Yang Shengxiong, He Gaowen, Chen Bangyan, *The development on the marine mineral resources exploration and environmental inspecting*, in 2007 China High-tech development bulletin, Science Press, 2007, pp. 160–167. In Chinese.

(13) Yang Shengxiong, *Characteristics of the Cobalt-Rich Ferromanganese Crusts Resources on the Seamounts*, Seminar on the Minerals and Other Resources Found in Marine Areas Beyond the Limits of National Jurisdiction (the "Area"), 2007, Manado, Indonesia.

(14) Yang Shengxiong, *A Suggested Consideration to the Draft Regulation on Prospecting and Exploration for Cobalt-rich Ferromanganese Crusts*, Workshop on Mining Cobalt-rich Ferromanganese Crusts and Polymetallic Sulphides in the Area, ISA, 2006, Jamaica.

(15) Yang Shengxiong, Fu Xi, Wu Ya-dong and Wen Peng-fei, *The principle of least-squares-inverse filtering and its application in gas hydrate*, Acta Oceanologica Sinica, 2004, 3: 75–81. in Chinese with English abstract.

(16) Yang Shengxiong, Chen Bangyan, Liu Feng, *Environment inspecting on the seafloor and the ocean mineral resources exploration and estimation*, in 2003 China High-tech development bulletin, Science Press, 2003, 141–147. In Chinese.

(17) Yang Shengxiong, He Gaowen, Guan Yonxian, Li Liqing. *The accurate processing of the Seabeam bathymetric data and geomorphology atlas of China pioneer area in east Pacific*, in 2001 Conference for ocean mineral resources by COMRA, China Ocean Press, Bejing, 2001, pp. 201–209. In Chinese.

(18) Yang Shengxiong, Zhang Guangxue, Chen Bangyan, *Energy Prospect of Deep Water in the Continental Slope of the South China Sea and Key-Tech of Exploration*, World Petroleum Congress (WPC) Asia Regional Meeting, 2001, Shanghai.

(19) Yang Shengxiong et al., *Development Aspect and Countermeasure of the Three-dimensional Exploration Technology for Marine Mineral Resources and Environments*, China Geology, 2001, 10–15. In Chinese with English abstract.

(20) Yang Shengxiong, Zhang Guangxue, Zhang Ming, *The Key-Technology of the Gas Hydrates Exploration on the Deep Sea Water*, in 99 workshop in the development of marine high-tech, China ocean press, Beijing, 2001, pp. 507–512. in Chinese with English abstract.